Model:TC-700PL

INPUT CHARACTERISTICS：

◎ VOLTAGE：100～240V, (Active PFC / Full Range)

◎ FREQUENCY：47～63Hz

◎ POWER FACTOR CORRECTION: 0.99

◎ INPUT CURRENT：11A

◎ INRUSH CURRENT：65A/125A MAX FOR 115/230

OUTPUT CHARACTERISTICS：

OUTPUT VOLTAGE	OUTPUT CURRENT		REGULATION		OUTPUT
	MIN（A）	MAX（A）	LOAD	LINE	RIPPLE & NOISE MAX.〔P-P〕
+5V	0.2	30	±5%	±1%	60mV
+12V1	2	14	±5%	±1%	120mV
+12V2	0	14	±5%	±1%	120mV
+12V3	0	14	±5%	±1%	120mV
+12V4	0	14	±5%	±1%	120mV
-5V	0	0.8	±10%	±1%	120mV
-12V	0	1	±10%	±1%	120mV
+3.3V	0.5	30	±5%	±1%	60mV
+5VSB	0	3	±5%	±1%	60mV

The combined output power +5V&+3.3V shall not exceed 56A.

The combined output power +5V & +12V & +3.3V maximum output 680W.

The total power shall not exceed 700W.

SPECIFICATION：

◎ TEMPERATURE RANGE：Operation 0℃～50℃

◎ HOLD UP TIME：16ms at maximum load＆normal input voltage

◎ EFFICIENCY：70% TYPICAL（Normal Line）

◎ POWER GOOD SIGNAL：Should be asserted high to indicate that+5VDC and +3.3VDC output are above the low voltage thresholds. Compatible signal out with 100ms to 500ms.

◎ OVER POWER PROTECTION：The power supply shall shout down output power exceeds 130% to 160%

◎ OVER VOLTAGE PROTECTION：Standard on +5.0V, set at 6.25VDC ± 0.75VDC

◎ SHORT CIRCUIT PROTECTION：A short circuit placed between the DC return and the output shall cause no damage and the power supply shall shutdown.

◎ EMI：FCC part 15, subpart B, Class B, EN55022 CISPR22 Class B.

◎ GAENCY APPROVALS：UL60950, CAN/CSA22.2 No.60950, TUV(IEC60950)

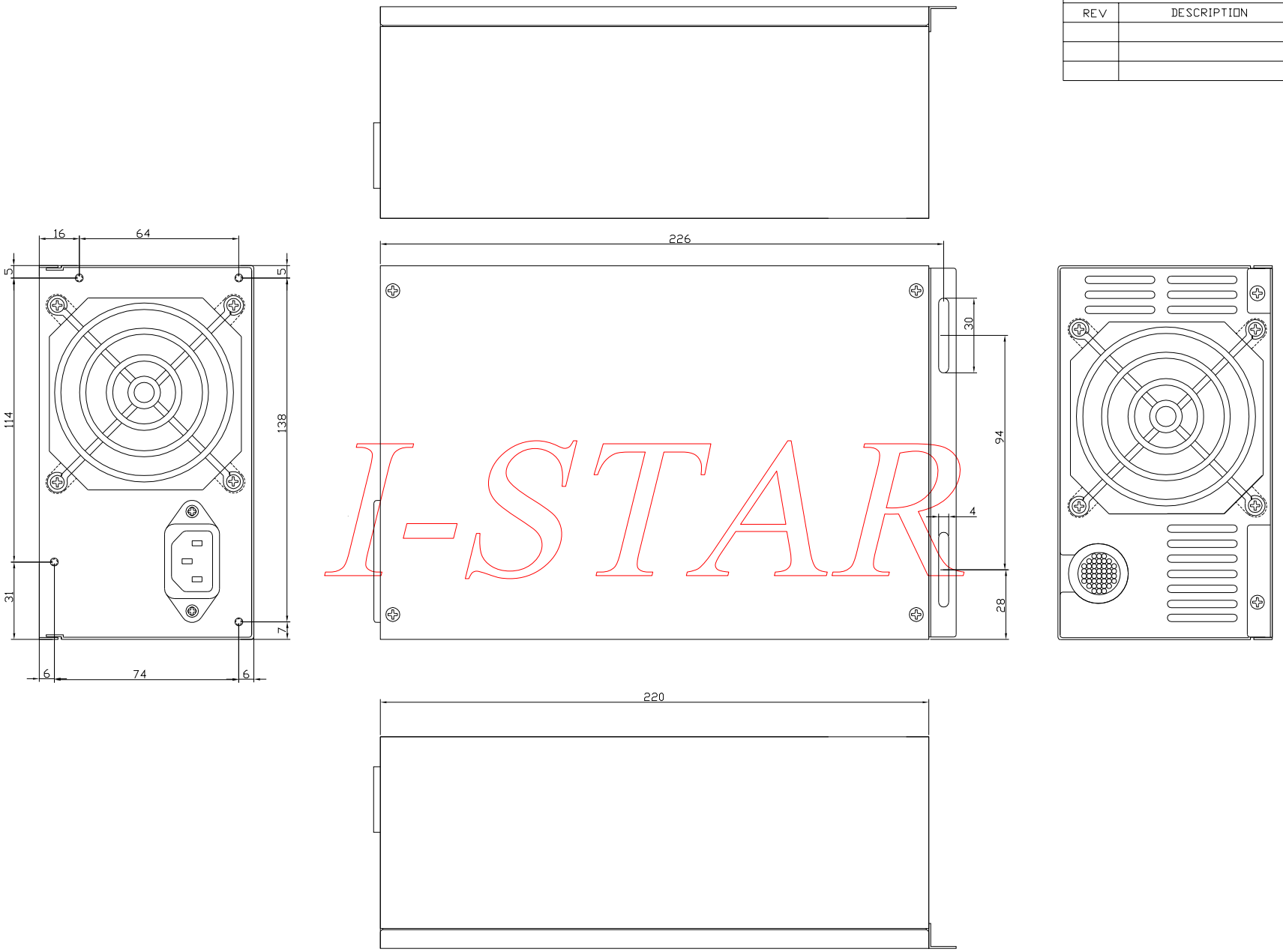
◎ MEET EN-61000-3-2 CLASS D (ACTIVE PFC)

◎ REMOTE ON/OFF CONTROL：When PS-ON is pulled to TTL Low, the DC output is to be enabled, When PS-OFF is pulled to TTL high, the DC output is to disabled.

◎ COLLING：By forced air 2x80mm Fan

◎ DIMENSION：L220 X W150 X H86 mm

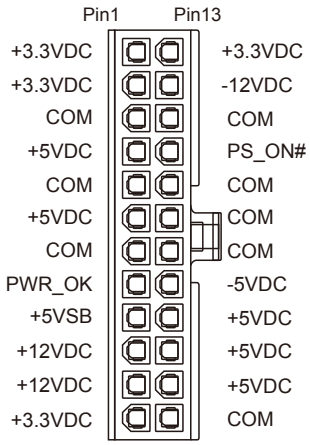
REVISIONS			
REV	DESCRIPTION	SIGN	DATE
			/ /
			/ /
			/ /



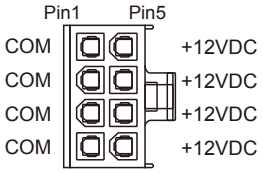
I-STAR

TOLEANCES	MATERIAL			UNIT		PART NO.	
.X= +/- 0.25	REMARK			SCLAE		MODEL	TC-xxxPL
.XX= +/- 0.100	APPD	CKD	DRAWN	DWG NO.		NAME	
				SHEET		I-STAR COMPUTER	
				DATE			

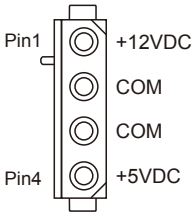
PINOUTS OF CONNECTORS



Main Power Connector



+12V 8P Power Connector



Peripheral Power Connector

Floppy Drive Power Connector

+12V = yellow	+5VSB = brown	-5V = white
+5V = red	PS_ON# = gray	-12V = blue
+3.3V = purple	PWR_OK = orange	COM = black